## Safety Data Sheet

# Aluminum Ammonium Sulfate, 12-Hydrate

# **CAR®LINA** www.carolina.co

#### Section 1

Section 2

#### **Product Description**

**Product Name: Recommended Use:** Synonyms: Distributor:

Aluminum Ammonium Sulfate, 12-Hydrate Science education applications Aluminum Ammonium Sulfate Dodecahydrate, Alum Carolina Biological Supply Company 2700 York Road, Burlington, NC 27215 1-800-227-1150 800-227-1150 (8am-5pm (ET) M-F) 800-424-9300 (Transportation Spill Response 24 hours)

**Chemical Information: Chemtrec:** 

#### Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

# WARNING



Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

#### **GHS Classification:**

Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2A, Specific Target Organ Systemic Toxicity (STOT) -Single Exposure Category 3

Acute Toxicity Oral Contains Acute Toxicity Dermal Contains	100 % of the mixture consists of ingredient(s) of unknown toxicity 100 % of the mixture consists of ingredient(s) of unknown toxicity
Acute Toxicity Inhalation Gas Contains	100 % of the mixture consists of ingredient(s) of unknown toxicity
Acute Toxicity Inhalation Vapor Contains	100 % of the mixture consists of ingredient(s) of unknown toxicity
Acute Toxicity Inhalation Dust/Mist Contains	100 % of the mixture consists of ingredient(s) of unknown toxicity

#### **Section 3**

### **Composition / Information on Ingredients**

<u>CAS #</u>

7784-26-1

<u>Chemical</u>	Name	
Aluminum	Ammonium	Sulfate

#### Section 4

#### **First Aid Measures**

Emergency	and	First	Aid	Procedures
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Section 5	Firefighting Procedures
Ingestion:	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
	Take off contaminated clothing and wash before reuse.
Skin Contact:	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
	to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Eyes:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy
Inhalation:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Extinguishing Media:** 

Use media suitable to extinguish surrounding fire.

%

100

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Fire Fighting Methods and Protect Fire and/or Explosion Hazards: Hazardous Combustion Products:	ion: Firefighters should wea breathing apparatus. Fire or excessive heat Nitrogen oxides, Sulfur	may produce hazardou			
Section 6	Spill or Leak	Procedures			
Steps to Take in Case Material Is Released or Spilled:	Steps to Take in Case Material Is Exposure to the spilled material may be irritating or harmful. Follow personal protective				
Section 7	Handling a	nd Storage			
	dust/fume/gas/mist/vapors/spr Wear protective gloves/protect				
Storage: Store in a well-v	entilated place. Keep container				
	cool, well-ventilated place. Green - general chemical storage				
Section 8	Protection I	nformation			
	ACG	iIH	<u>OSH</u>	A PEL	
<u>Chemical Name</u> No data available	<u>(TWA)</u> N/A	<u>(STEL)</u> N/A	(TWA) N/A	<u>(STEL)</u> N/A	
Control Parameters Engineering Measures:	No exposure limits exis might be required to ma general room ventilatio levels.	aintain operator comfo	rt under normal conditi	ons of use. Good	
Personal Protective Equipment (PPE): Lab coat, apron, eye wash, safety shower.   Respiratory Protection: No respiratory protection required under normal conditions of use. Wear a NIOSH					

Eye Protection:

**Skin Protection:** 

Gloves:

#### **Section 9**

#### **Physical Data**

available.

work.

Nitrile

Formula: AINH4(SO4)2 \* 12H2O Molecular Weight: 453.32 Appearance: Crystalline Solid Odor: No data available Odor Threshold: No data available pH: 2.6 at 100 g/l at 25 °C Melting Point: No data available Boiling Point: No data available Flash Point: No data available Flammable Limits in Air: N/A

#### Vapor Density (Air=1): N/A Specific Gravity: 1.65 Solubility in Water: Soluble Log Pow (calculated): No data available Autoignition Temperature: No data available Decomposition Temperature: No data available Viscosity: No data available Percent Volatile by Volume: N/A

#### Section 10

#### **Reactivity Data**

approved respirator if levels above the exposure limits are possible.

Vapor Pressure: N/A

Evaporation Rate (BuAc=1): N/A

Wear chemical splash goggles when handling this product. Have an eye wash station

Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving

## Safety Data Sheet

Reactivity:
Chemical Stability:
Conditions to Avoid:
Incompatible Materials:
Hazardous Decomposition Products:
Hazardous Polymerization:

No data available Stable under normal conditions. None known. Copper, Zinc Sulfur Oxides, Nitrogen oxides Will not occur

## Section 11

**Toxicity Data** 

Routes of Entry Symptoms (Acute): Delayed Effects:	N/A Respiratory disorders, No data available							
Acute Toxicity: Chemical Name No data available		<b>CAS Number</b> 7784-26-1	Oral LD50 Not determined	Dermal LD50 Not determined	Inhalation LC50 Not determined			
Carcinogenicity: Chemical Name No data available		<b>CAS Number</b> 7784-26-1	IARC Not listed	<b>NTP</b> Not listed	OSHA Not listed			
Chronic Effects: Mutagenicity: Teratogenicity: Sensitization: Reproductive: Target Organ Effects: Acute: Chronic:	No evidence of a mutagenic effect. No evidence of a teratogenic effect (birth defect). No evidence of a sensitization effect. No evidence of negative reproductive effects. See Section 2 Not listed as a carcinogen by IARC, NTP or OSHA.							
Section 12		=	cological Data					
Overview: Mobility: Persistence: Bioaccumulation: Degradability: Other Adverse Effects	No data No data No data No data	No data No data No data						
<b>Chemical Name</b> N/A		CAS Number 7784-26-1	Eco Toxicity					
Section 13		Disp	oosal Informati	on				
Disposal Methods: Waste Disposal Code(	contact a permitted waste disposer (TSD) to assure compliance.							
Section 14		Tran	sport Informat	ion				
<b>Ground - DOT Proper</b> N/A	Shipping Name:		Air - IATA Proper S Not regulated for air					
Section 15		Regu	llatory Informa	tion				
TSCA Status:	A co	mponent (or comp	onents) of this product is	s not listed on the TSC	A Inventory of			

A component (or components) of this product is not listed on the TSCA Inventory of Existing Chemical Substances. Product is for research and development use only.

Safety Data Sheet						
Chemical Name	CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
No data available	7784-26-1	No	No	No	No	No

Section 1	6 Addit	ional Info	rmation	
Revised: 03/	20/2015 Replaces: 03/20/201	5	Printed: 04-21-2015	
The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.				
Glossary				
ACGIH	American Conference of Governmental Industrial Hygienists	NTP OSHA	National Toxicology Program Occupational Safety and Health Administration	
CAS	Chemical Abstract Service Number	PEL	Permissible Exposure Limit	
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	ppm RCRA	Parts per million Resource Conservation and Recovery Act	
DOT	U.S. Department of Transportation	SARA	Superfund Amendments and Reauthorization Act	
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value	
N/A	Not Available	TSCA	Toxic Substances Control Act	

IDLH

Immediately dangerous to life and health